

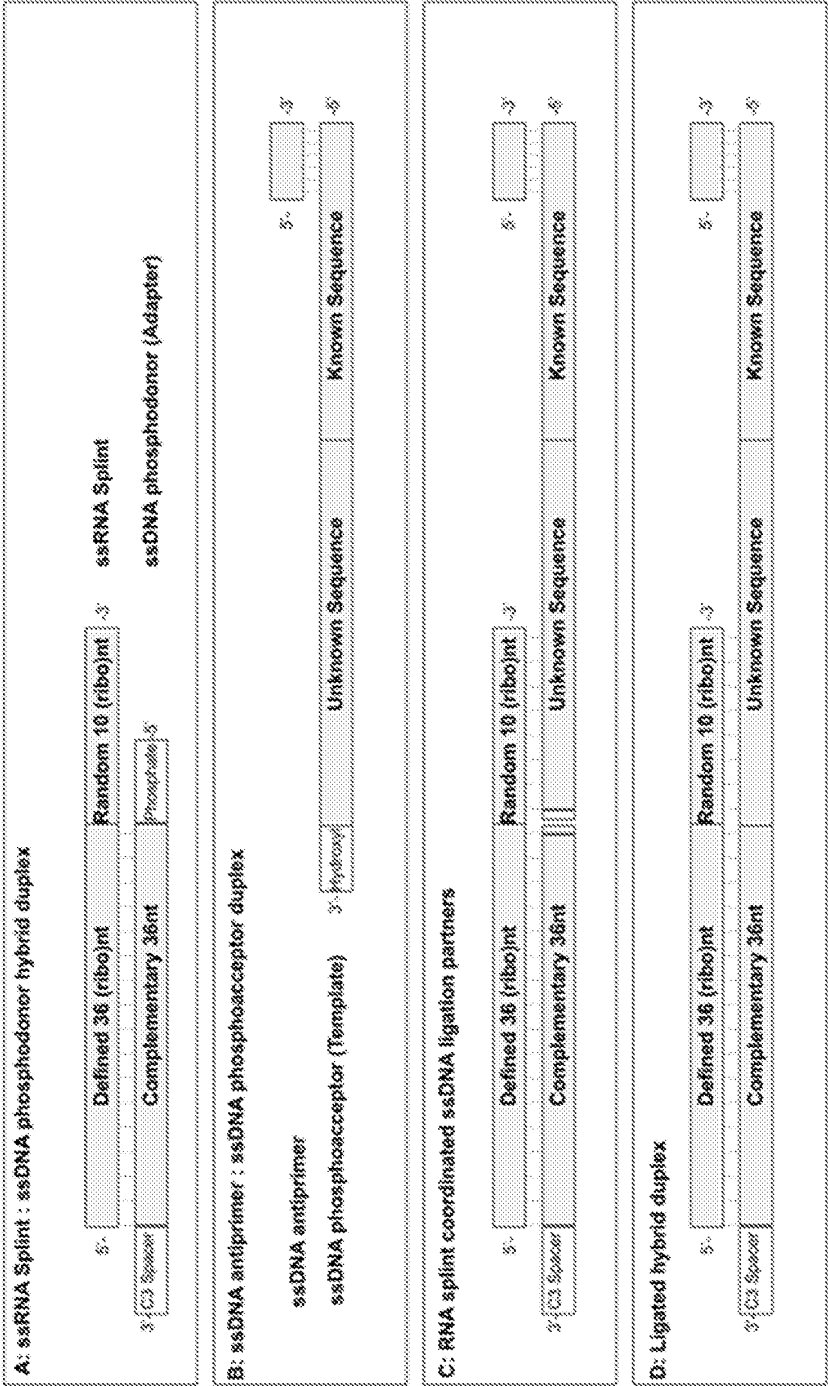


FIG. 1

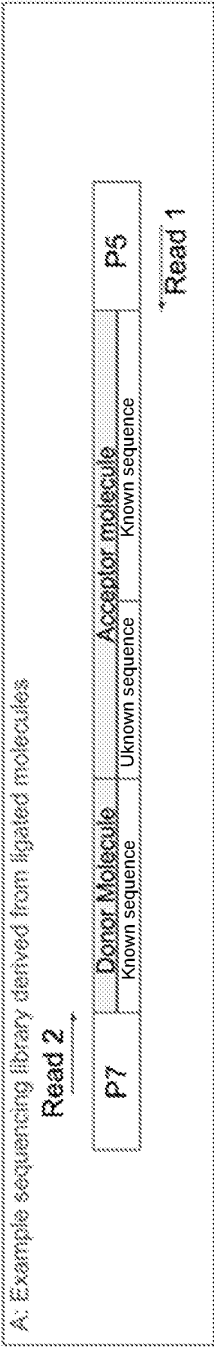


FIG. 3

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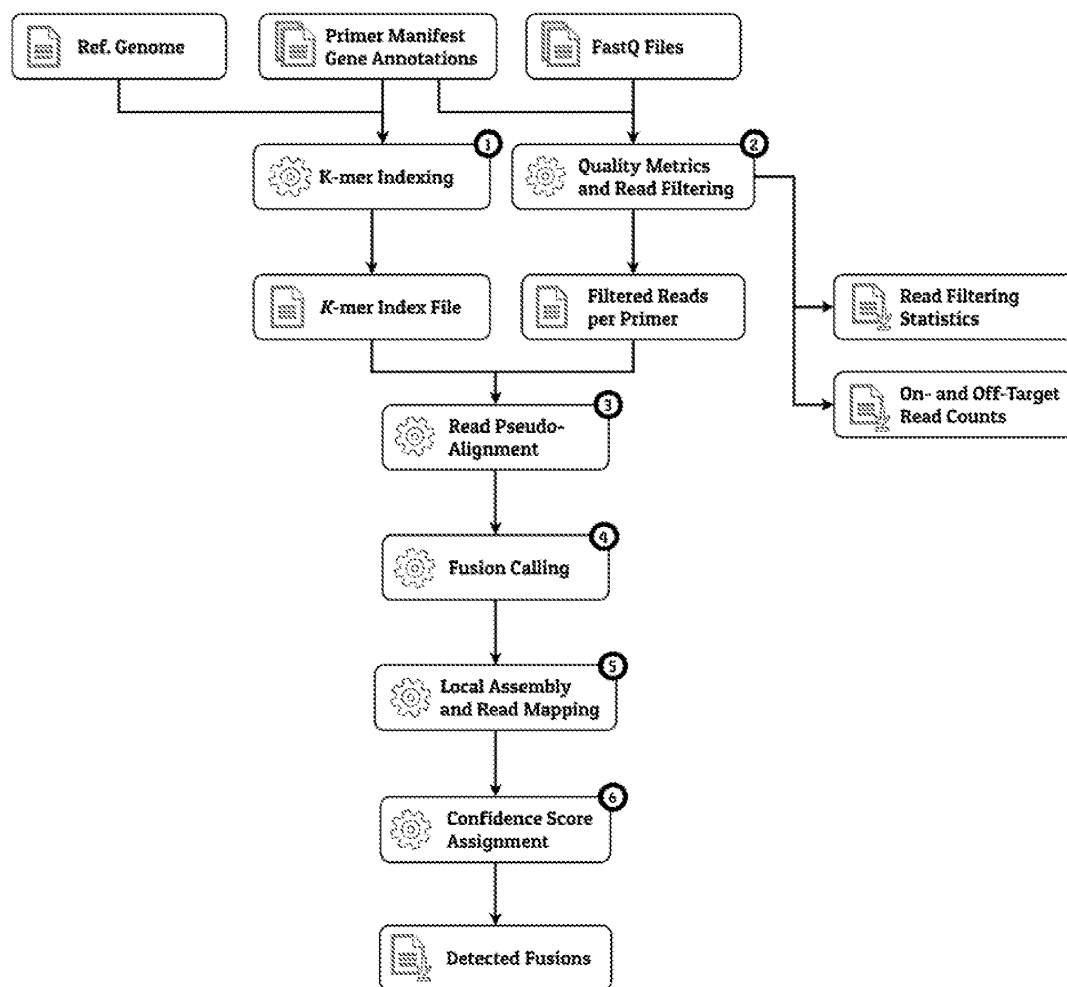


FIG. 4

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(a) K-mer indexing**Exon ENSE001:** GCAGGTTATGTTGGCGAGG . . .

Index: { GCAGGTT - ENSE001, Pos 1
CAGGTTA - ENSE001, Pos 2
AGGTTAT - ENSE001, Pos 3
...
TGGCGAG - ENSE001, Pos 12
...

(b) Read alignment**Read:** GCAGGTTATGTTGGCGAG

↓ *using k-mer index*

Alignment: Exon ENSE001, Pos 1-12

FIG. 5

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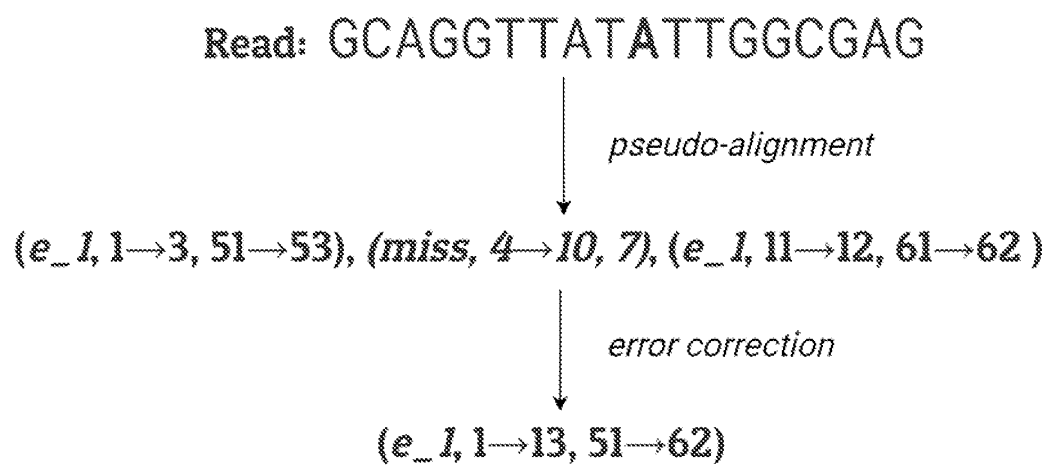


FIG. 6

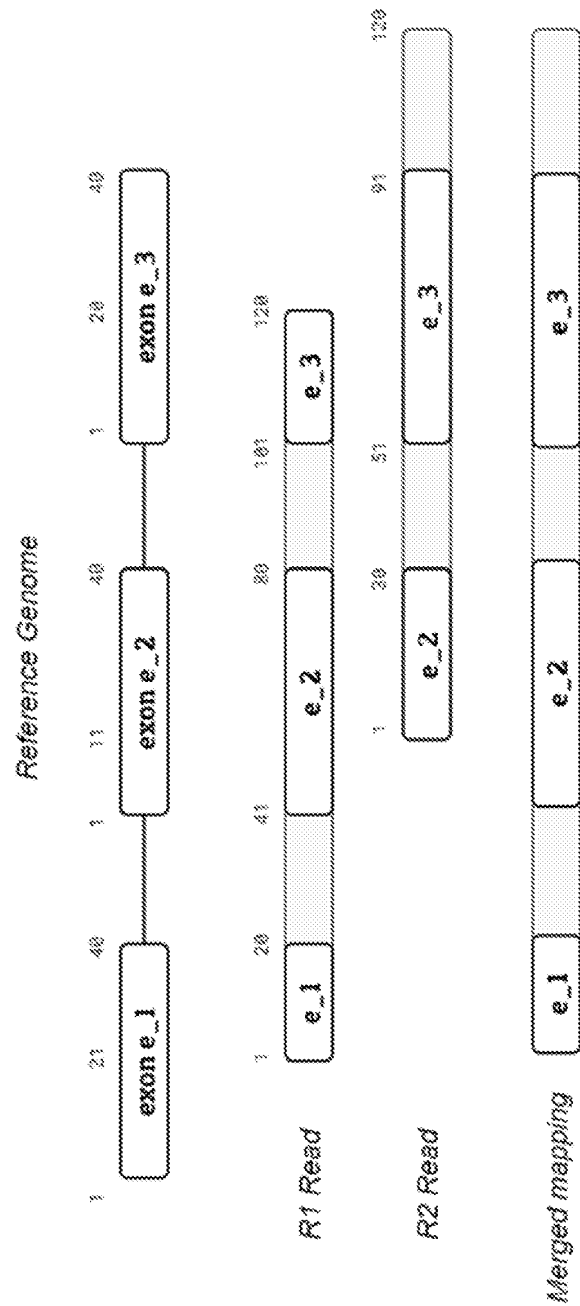


FIG. 7

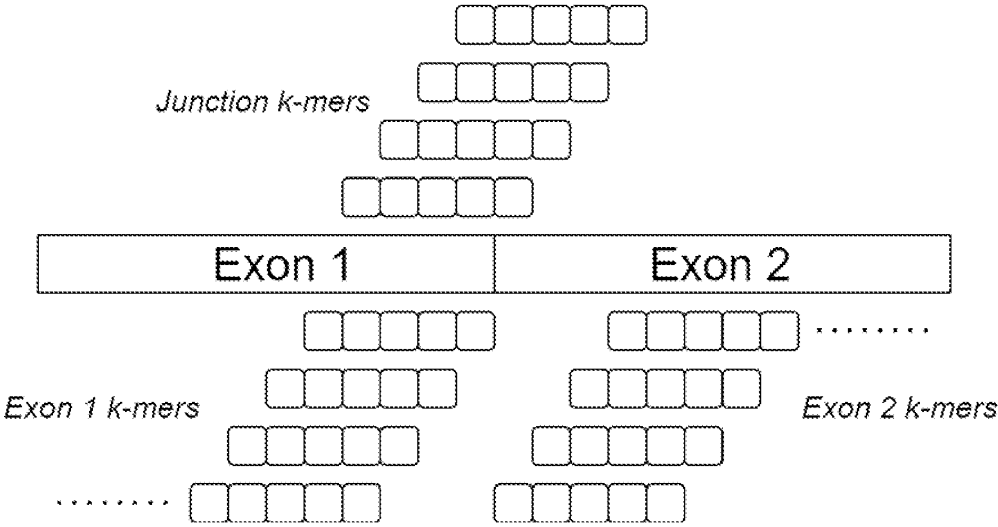


FIG. 8

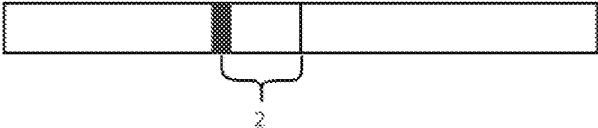
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Perfect Signature

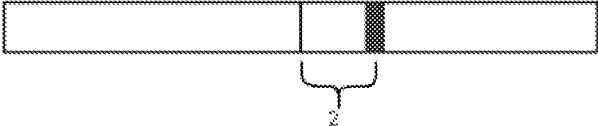
(a)  $g = (0, 0, 0)$

The diagram shows a horizontal bar divided into two equal segments. The left segment is labeled 'Exon 1' and the right segment is labeled 'Exon 2'. There are no dark bars or other markings on the segments.

Errors/SNVs

(b)  $g = (2, 2, 0)$

The diagram shows a horizontal bar divided into two equal segments. The left segment contains a single dark vertical bar. A bracket below this dark bar is labeled with the number '2'.

(c)  $g = (0, 2, 2)$

The diagram shows a horizontal bar divided into two equal segments. The right segment contains a single dark vertical bar. A bracket below this dark bar is labeled with the number '2'.

(d)  $g = (5, 7, 2)$

The diagram shows a horizontal bar divided into two equal segments. Each segment contains a single dark vertical bar. A bracket below the dark bar in the left segment is labeled with the number '5', and a bracket below the dark bar in the right segment is labeled with the number '2'.

FIG. 9

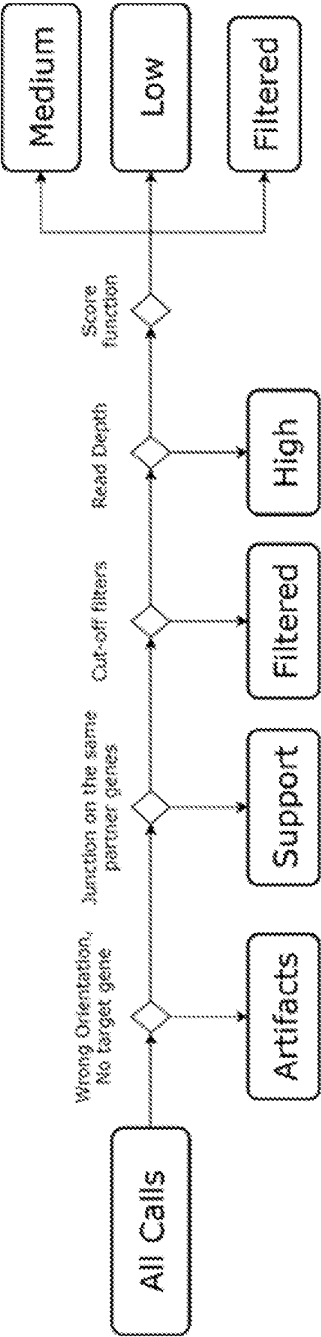


FIG. 10

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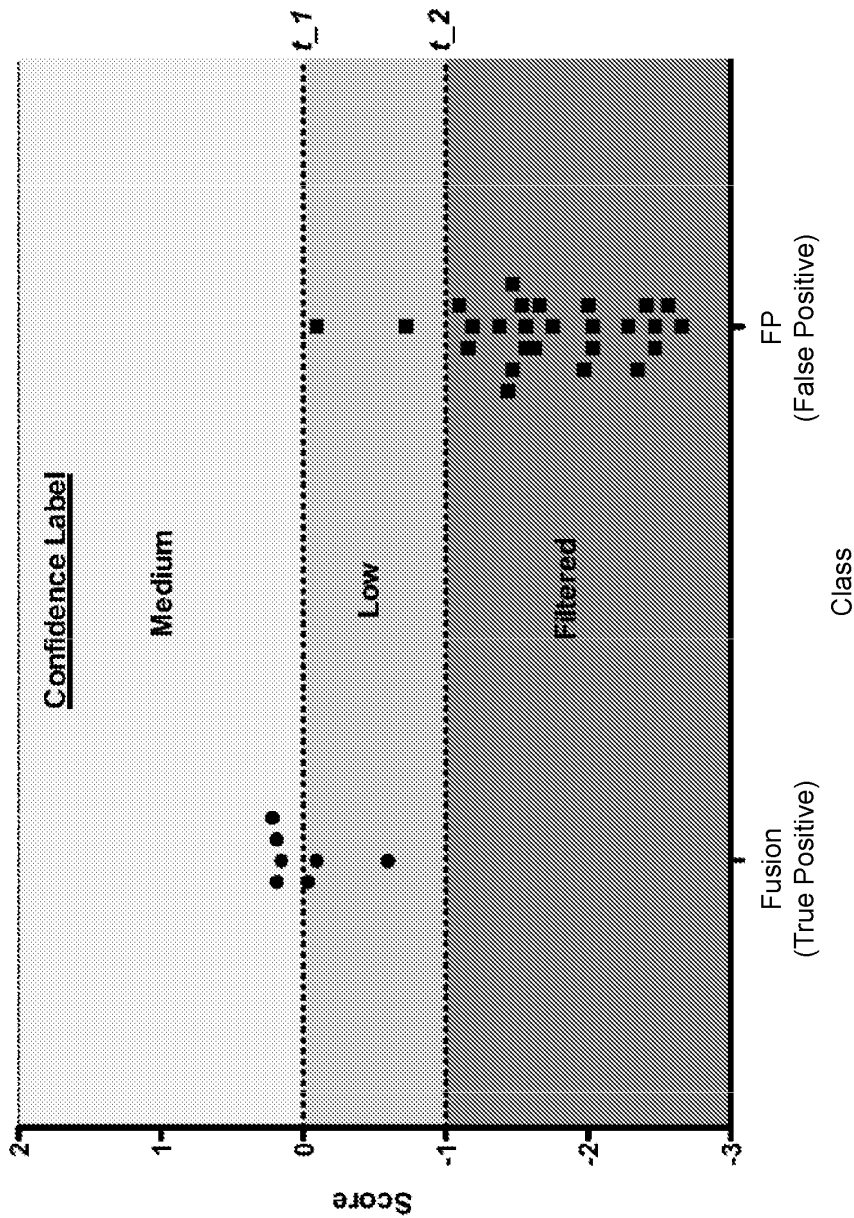


FIG. 11

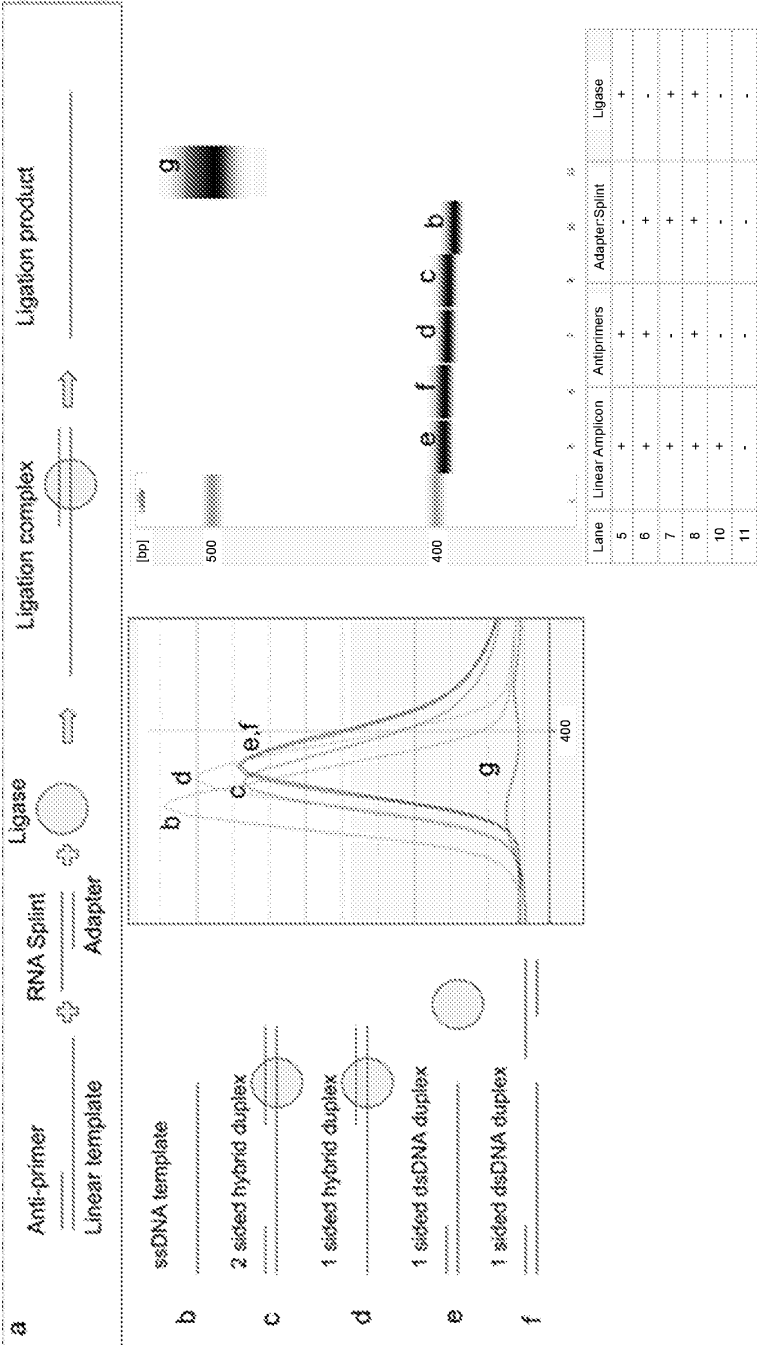


FIG. 12

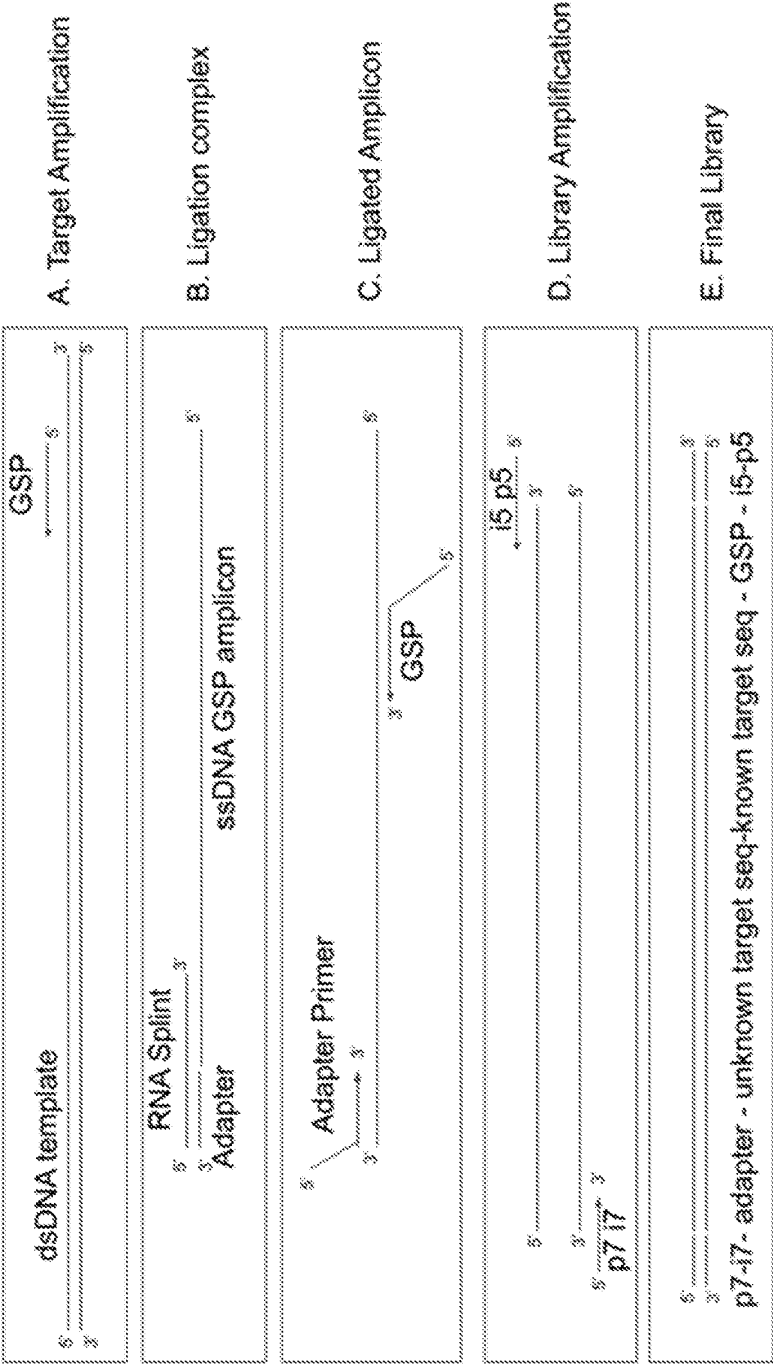


FIG. 13

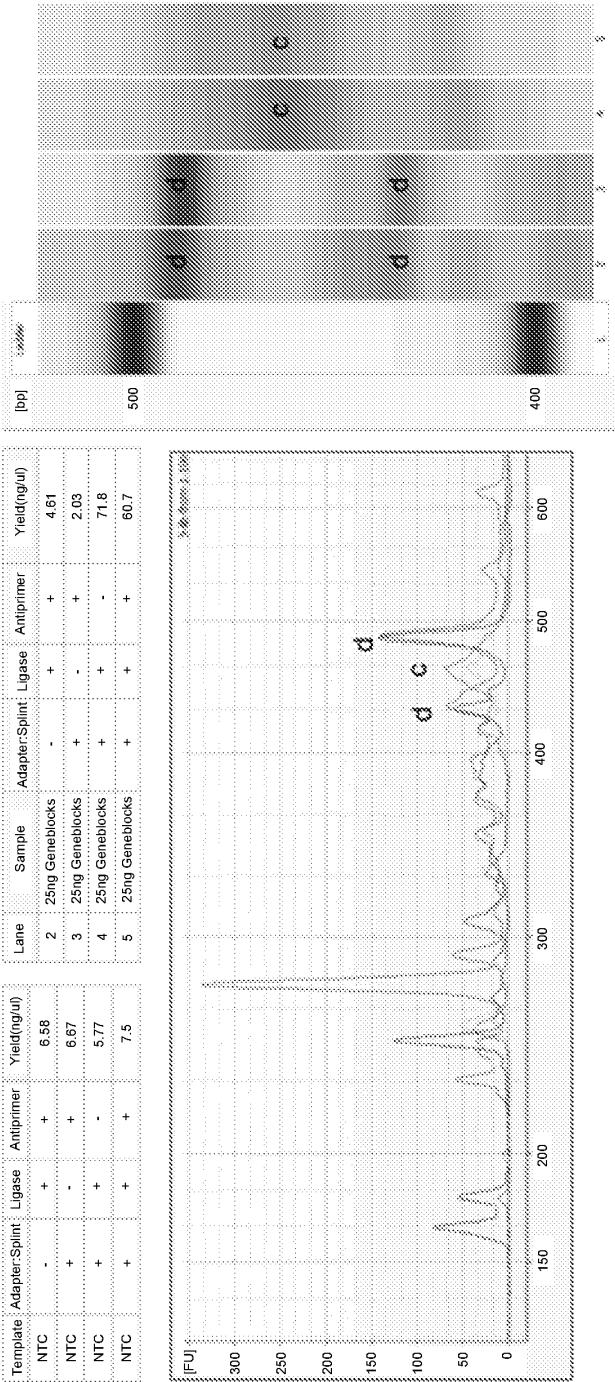


FIG. 14

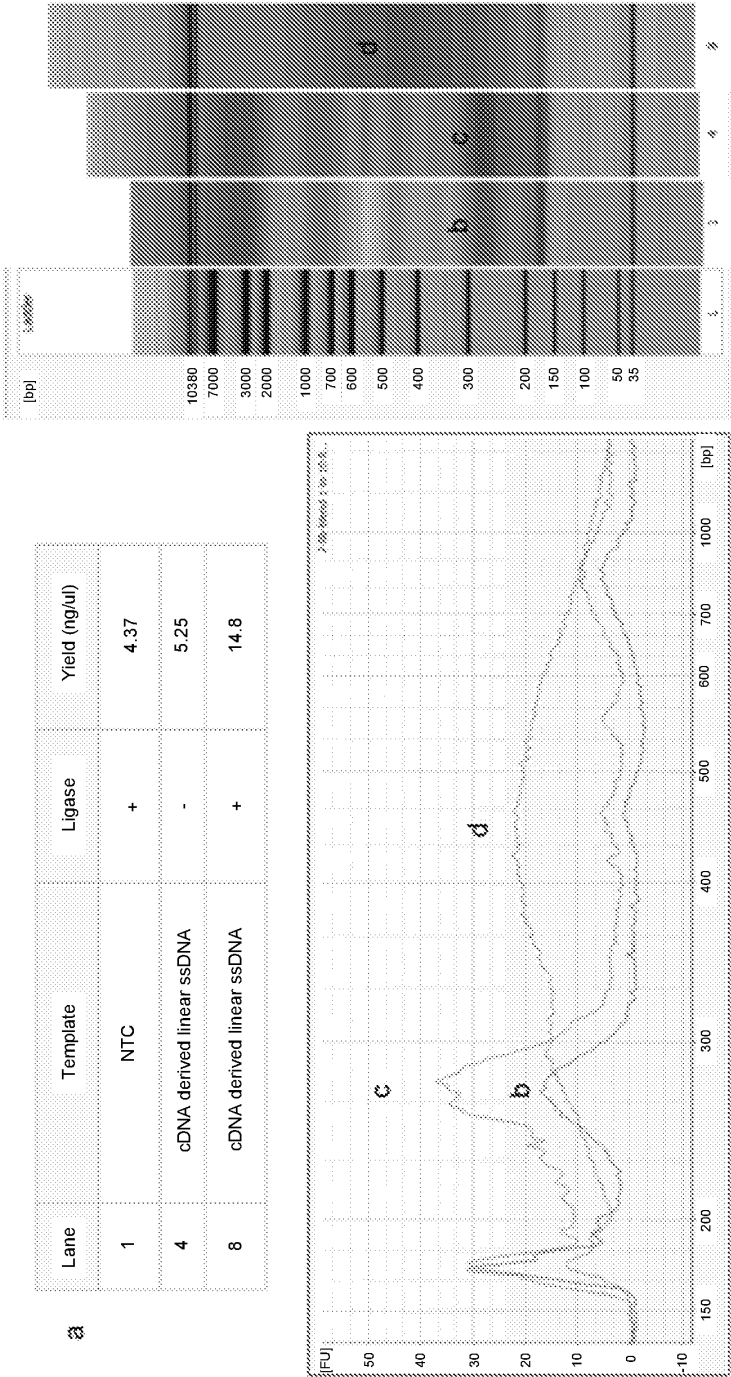


FIG. 15

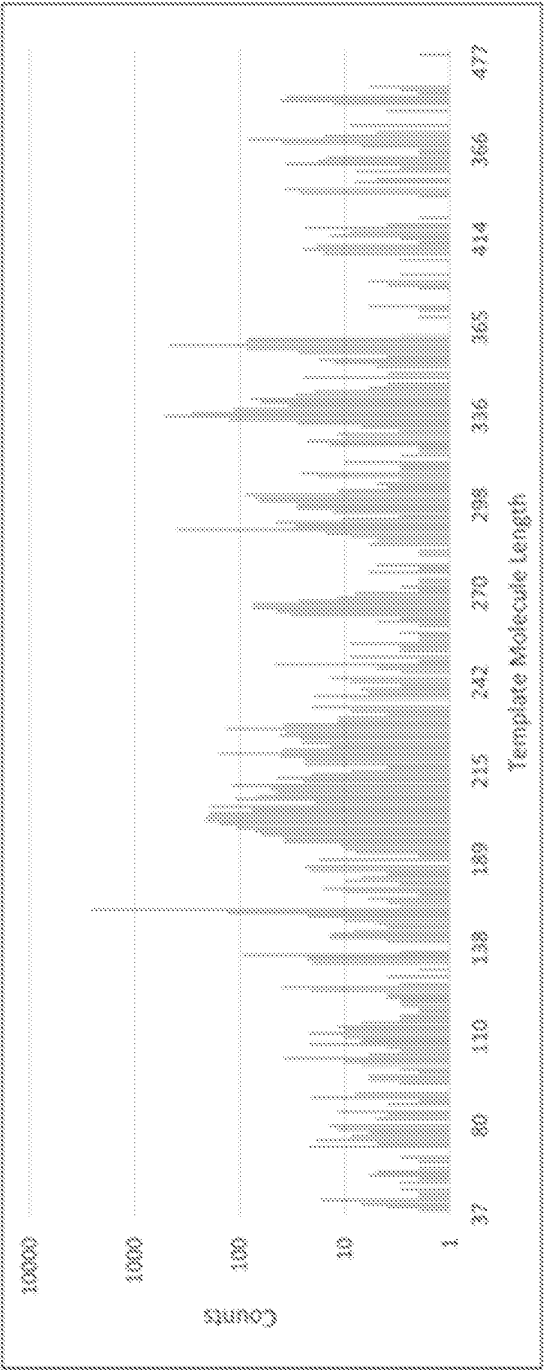


FIG. 16

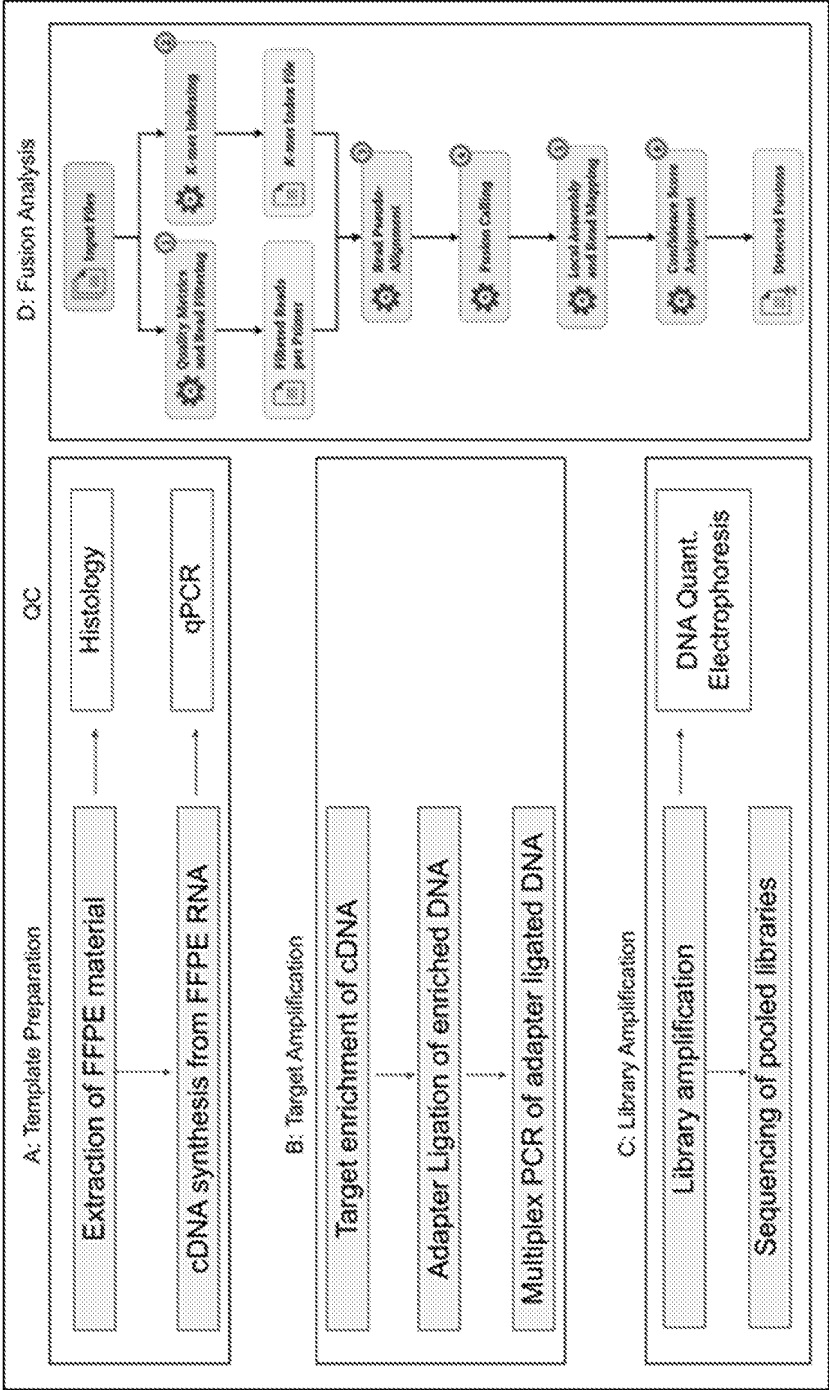


FIG. 17

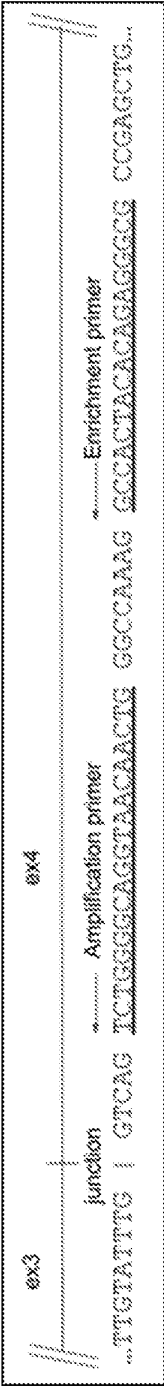


FIG. 18

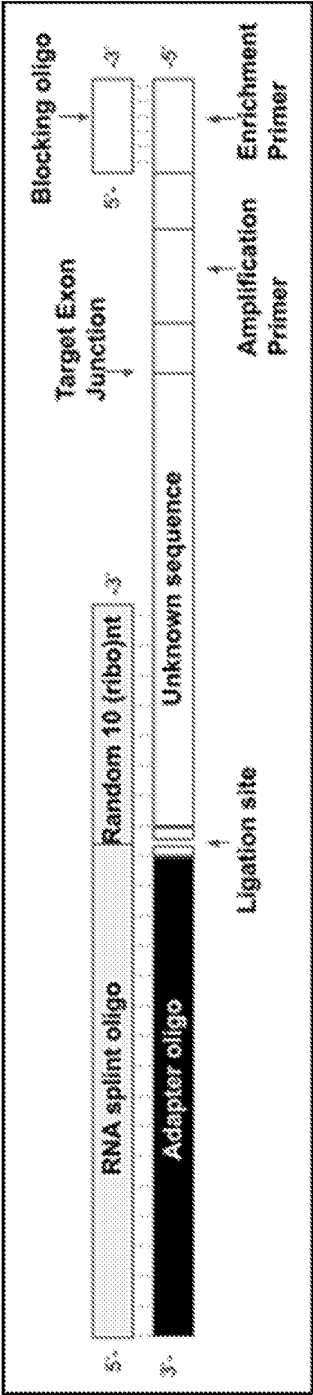


FIG. 19

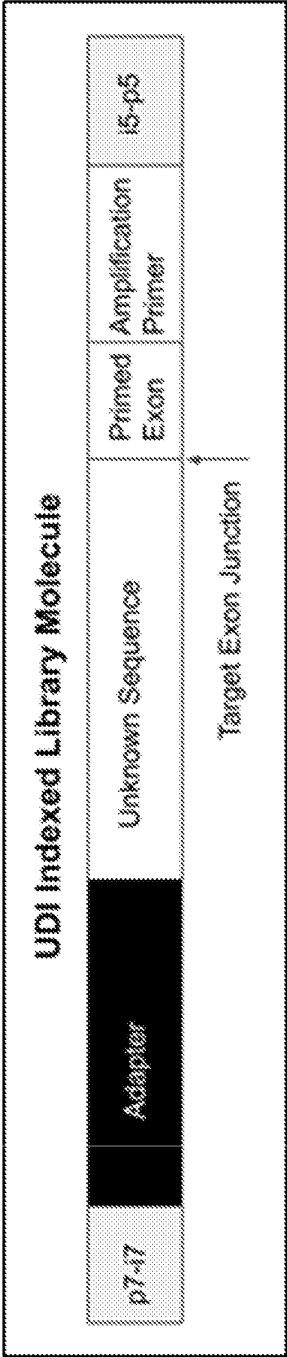


FIG. 20

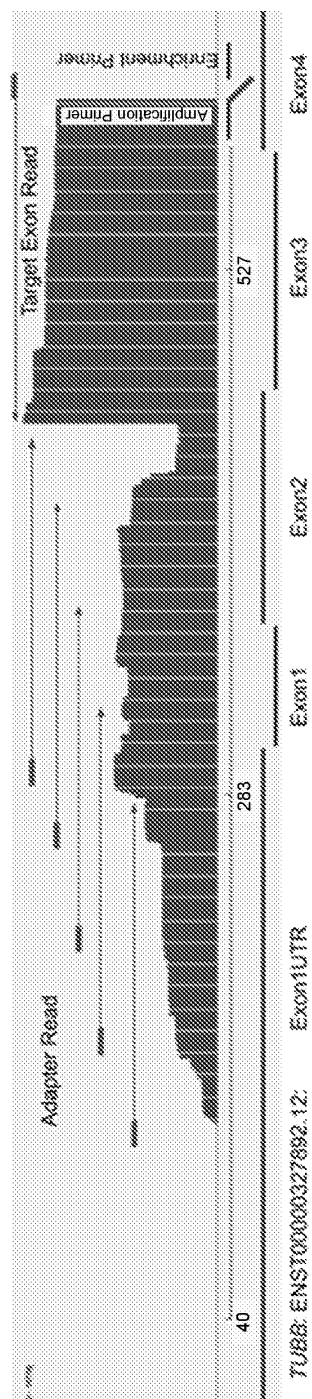


FIG. 21

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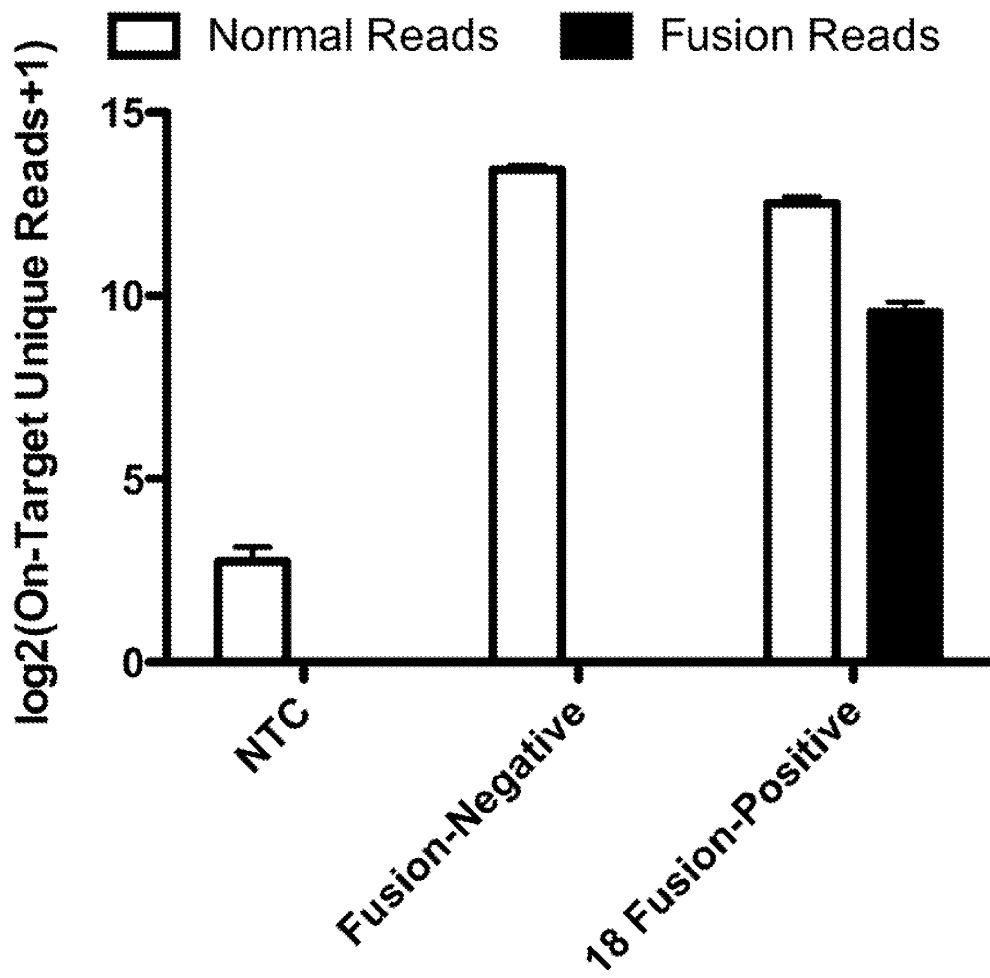


FIG. 22

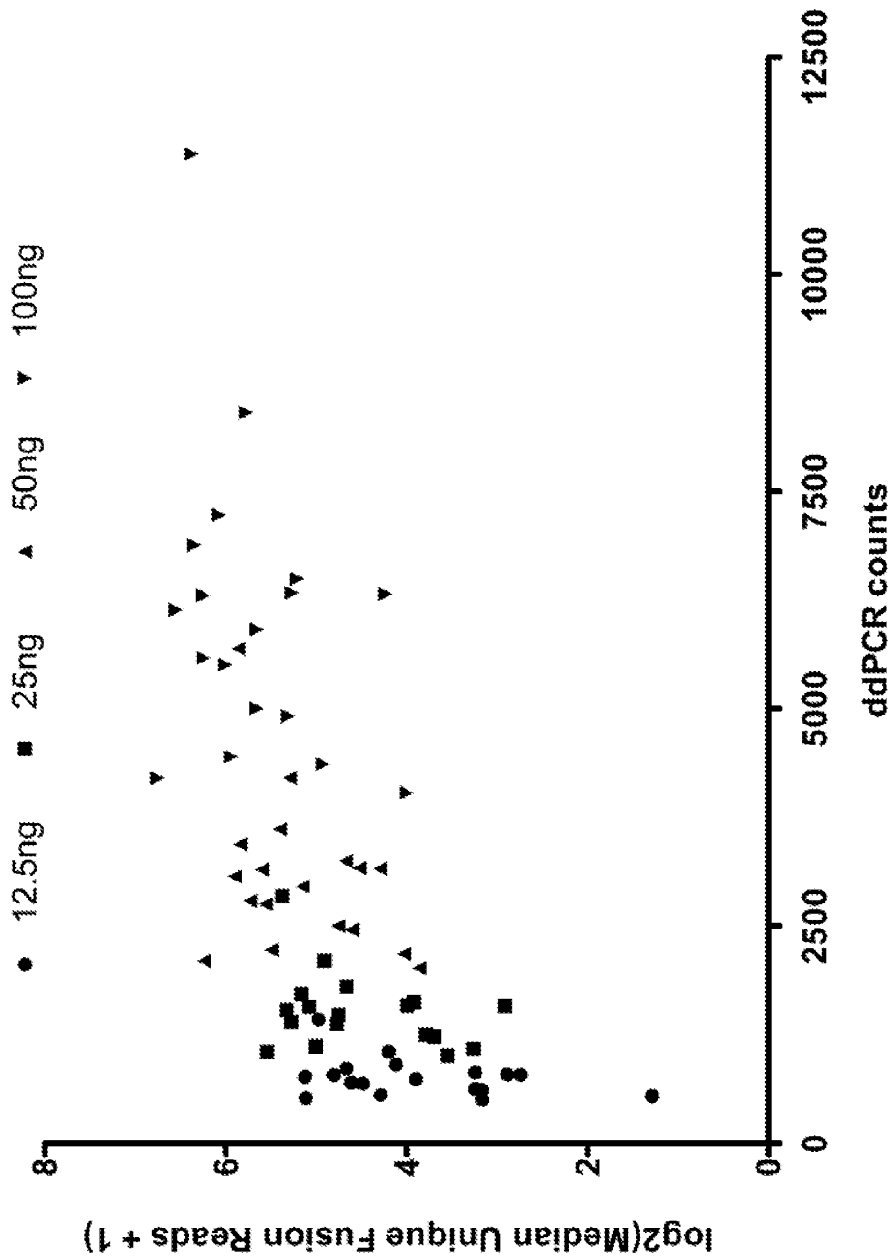


FIG. 23

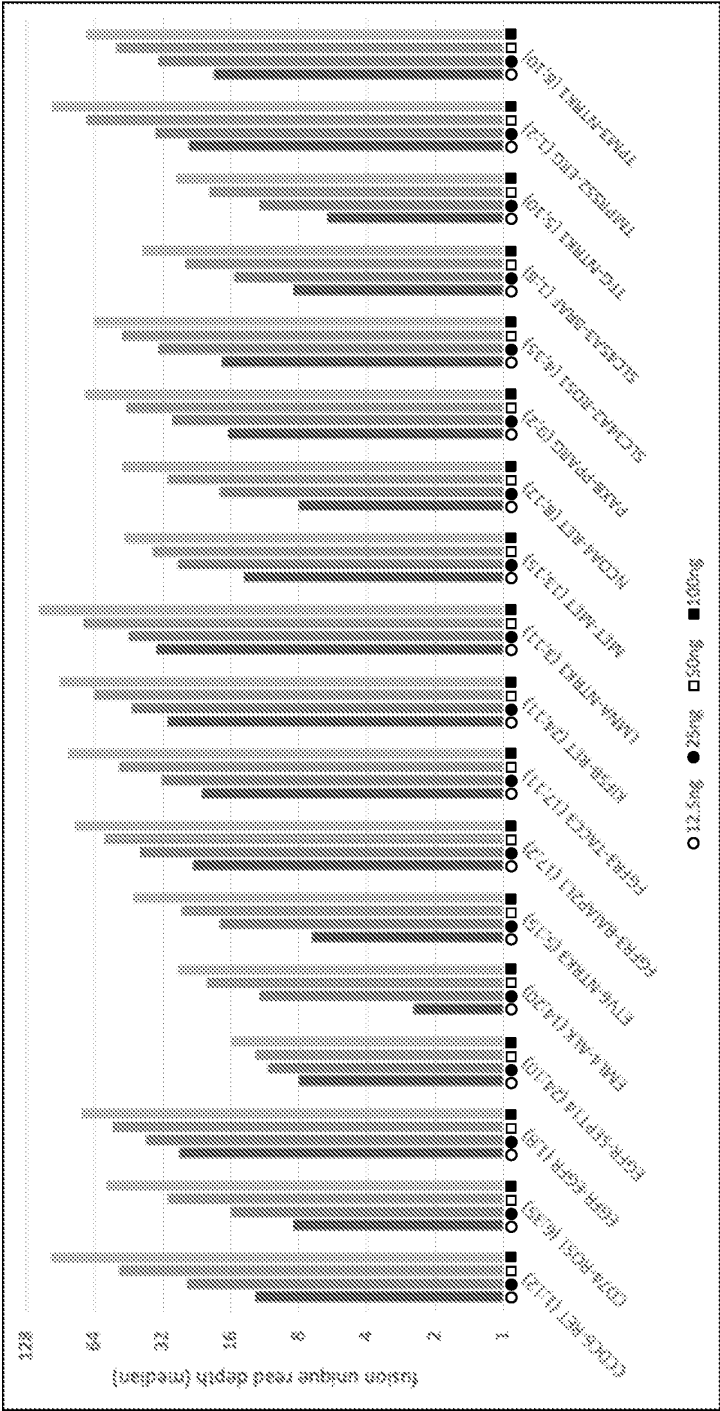


FIG. 24

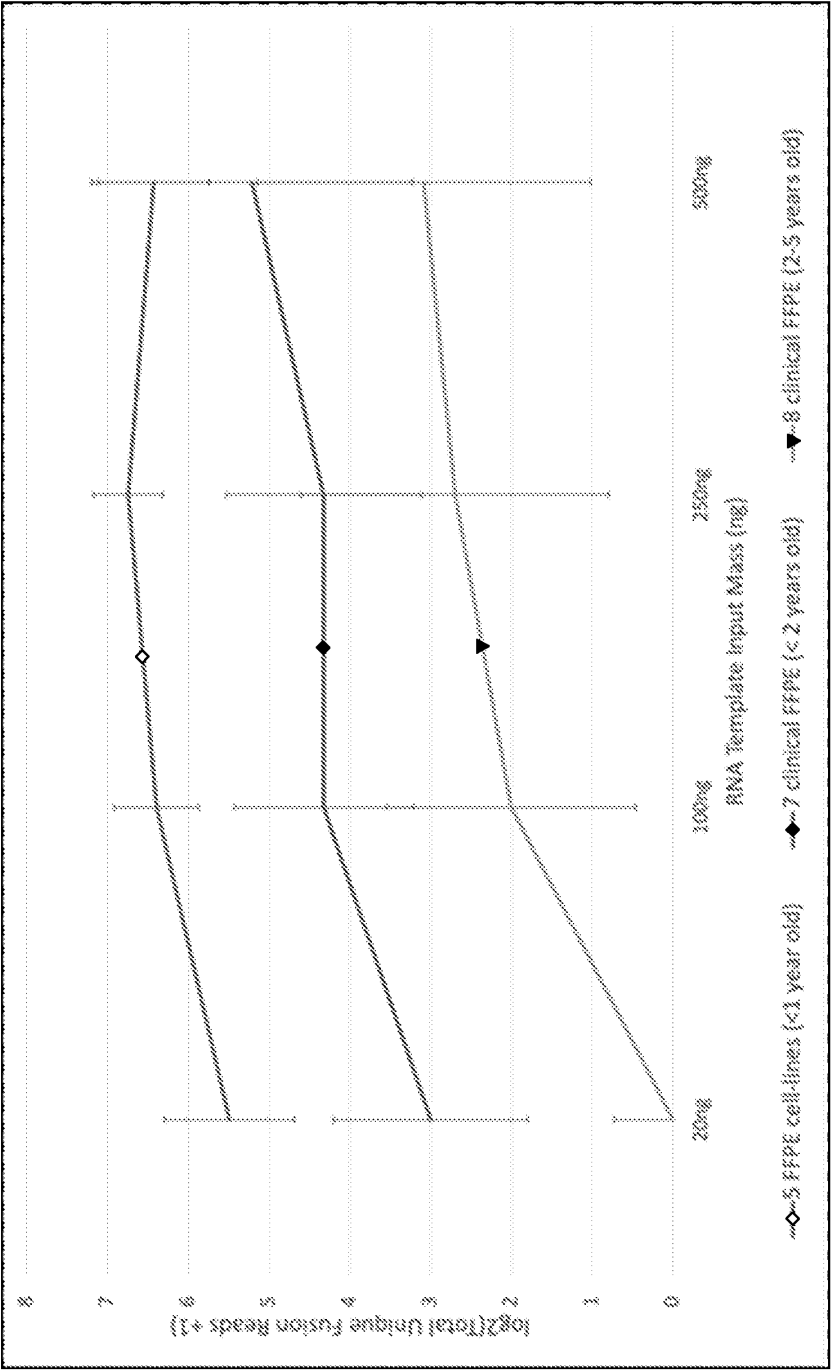


FIG. 25

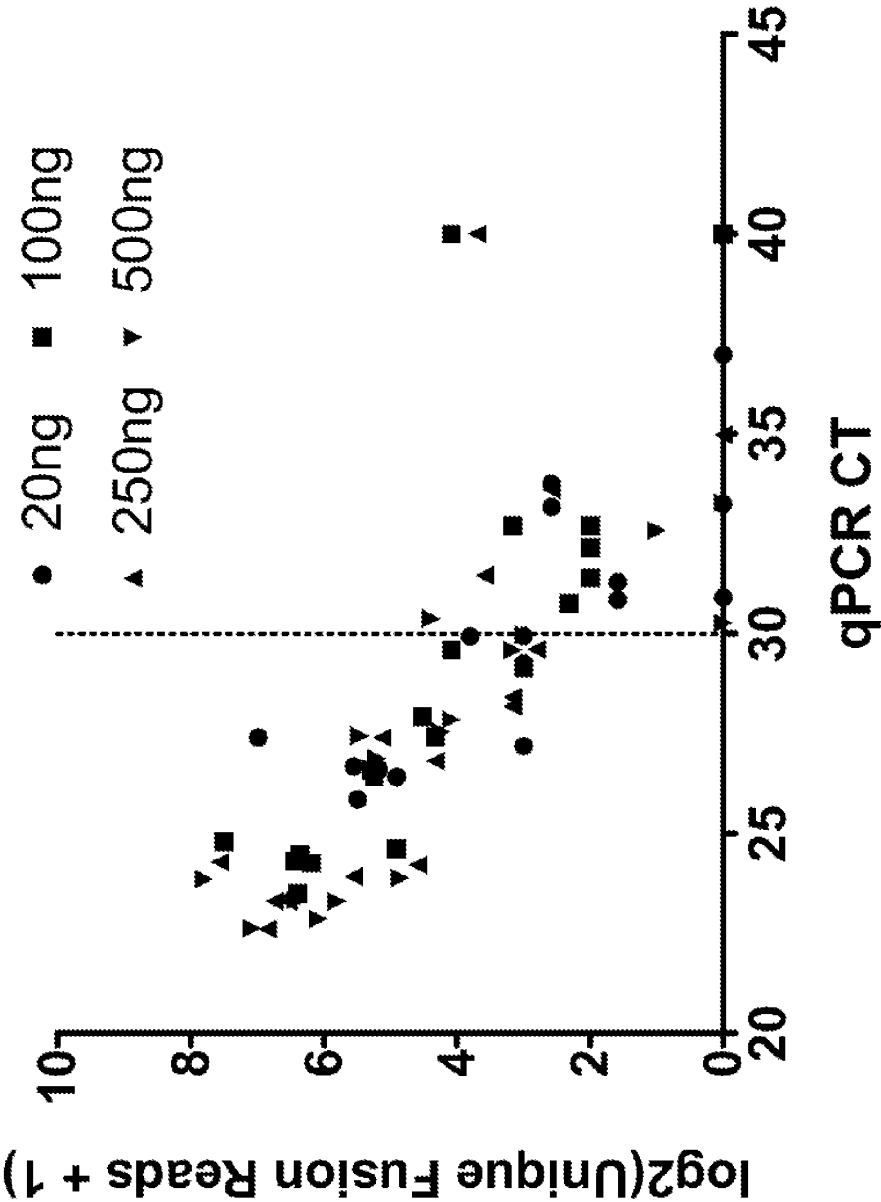


FIG. 26